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Task- 1) Configure Cloudflare or AWS WAF.

- 2) Protect against OWASP Top 10 attacks.
- 3) Upload configuration screenshots.

Step 1: Log in to AWS Console

- 1. Open AWS Management Console.
- 2. Sign in with your AWS account credentials.

Step 2: Open AWS WAF Service

- 1. In the search bar, type **WAF & Shield**.
- 2. Click on WAF & Shield service.

Step 3: Create a Web ACL

- 1. Click Create Web ACL.
- 2. Name: Give a descriptive name (e.g., MyWeback-OWASP).
- 3. **Resource type:** Choose the resource you want to protect (CloudFront, API Gateway, or Application Load Balancer).
- 4. Select the specific resource (e.g., your CloudFront distribution or ALB).
- 5. Click Next.

Step 4: Add AWS Managed Rules for OWASP Top 10

- 1. In Add rules and rule groups, click Add managed rule groups.
- 2. Select AWS Managed Rules.
- 3. Check **AWSManagedRulesCommonRuleSet** protects against common OWASP Top 10 attacks like SQL injection, XSS, etc.
- 4. (Optional) Add other relevant managed rules:
 - $\circ \quad AWS Managed Rules Known Bad Inputs Rule Set$
 - AWSManagedRulesSQLiRuleSet
 - o AWSManagedRulesLinuxRuleSet (if applicable)
- 5. Click **Add rules**.

Step 5: Set Rule Action

- 1. Leave the default action as **Block** for malicious requests.
- 2. Click Next.

Step 6: Set Default Web ACL Action

- 1. Choose **Allow** for requests that do not match any rules.
- 2. Click Next.

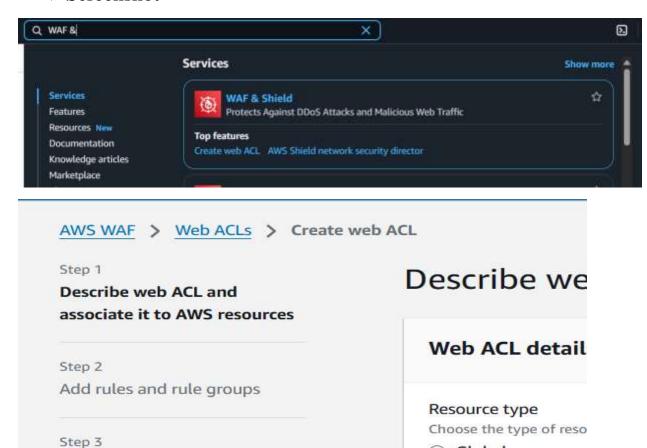
Step 7: Review and Create

- 1. Review your settings.
- 2. Click Create Web ACL.

Step 8: Verify

- 1. Go to the **AWS WAF Dashboard**.
- 2. Ensure your Web ACL is **Associated** with your resource.
- 3. Check request metrics to confirm blocking of malicious requests.

Screenshot



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